

INTEGRATED ENGINE/COMPRESSOR CONTROL
FOR GAS TRANSMISSION COMPRESSORS

ABSTRACT OF THE DISCLOSURE

A method and system for controlling an engine that drives a reciprocating compressor, such as the large compressors used for natural gas transmission. A controller receives data from the compressor representing operation conditions, such as load step, suction pressure, and discharge pressure. The controller then calculates engine control parameters, such as air intake and spark timing, based on the compressor data to optimize engine performance and emissions.